

THOMSON

DELPHION

RESEARCH

PRODUCTS

INSIDE DELPHION

The Delphion Integrated View

Get Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: ☐ Create new Work File ☐ View: INPADOC | Jump to: Top Go to: Derwent☐ Email this to a friendTitle: **JP9227200A2: PRODUCTION OF INORGANIC BOARD**Derwent Title: Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc.. [\[Derwent Record\]](#)

Country: JP Japan

Kind: A (See also: [JP3265183B2](#))

Inventor: NISHIZAWA KAZUhide;

Assignee: NICHIIA CORP
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1997-09-02 / 1996-02-28

Application Number: JP1996000069119

IPC Code: C04B 28/02; B28B 1/52; B28B 3/02; C04B 28/02;

ECLA Code: C04B28/02;

Priority Number: 1996-02-28 JP1996000069119

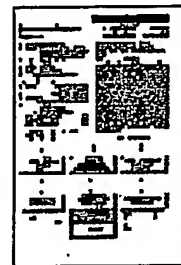
Abstract: PROBLEM TO BE SOLVED: To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.

SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filler in an aqueous alkali with a pH of ≥ 9 for ≥ 10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, tale or the like) is preferably admixed to the aqueous alkali solution.

COPYRIGHT: (C)1997,JPO

INPADOC None [Get Now: Family Legal Status Report](#)

Legal Status:

Family: [Show 3 known family members](#)Other Abstract Info: CHEMABS 127(16)224291Z CAN127(16)224291Z DERABS C97-486254
DERC97-486254

View Image

1 page